Title (en)

AN ELECTROFUSION COUPLER

Publication

EP 0221396 B1 19900307 (EN)

Application

EP 86114078 A 19861010

Priority

GB 8526235 A 19851024

Abstract (en)

[origin: EP0221396A1] An electrofusion coupler sleeve for use in connecting together two plastics pipes by fitting the ends into opposite ends of the sleeve and passing an electric current through a resistance heater (17) embedded in the sleeve adjacent its inner surface (10) to fuse together the pipes and the sleeve, incorporates visual indicating means (24, 30) for indicating if the electrical energy supplied has been adequate for proper fusing. The indicating means takes the form of a blind bore (24) extending into the sleeve from the exterior towards the interior. When, in use, the heater (17) is energised, if the electrical energy supplied has been adequate for proper fusing, the softened flowable plastics material is forced, by the pressure produced by heating and fusing, to rise within the blind bore (24) and project from the outer surface of the sleeve. The sleeve may comprise an inner plastics layer (10) of a colour contrasting with that of the outer layer (14), so that, if fusing has been adequate, the contrasting material of the inner layer (10) projects, from the blind bore (24), above the material of the outer layer (14).

IPC 1-7

B29C 65/02; F16L 47/02

IPC 8 full level

B29C 65/02 (2006.01); **B29C 65/34** (2006.01); **F16L 47/02** (2006.01); **F16L 47/03** (2006.01); B29C 65/00 (2006.01)

CPC (source: EP US)

B29C 65/342 (2013.01 - EP US); **B29C 65/3468** (2013.01 - EP US); **B29C 66/1122** (2013.01 - EP US); **B29C 66/1222** (2013.01 - EP US); **B29C 66/1224** (2013.01 - EP US); **B29C 66/5221** (2013.01 - EP US); **B29C 66/52292** (2013.01 - EP US); **B29C 66/91218** (2013.01 - EP US); **B29C 66/91221** (2013.01 - EP US); **B29C 66/972** (2013.01 - EP US); **F16L 47/03** (2013.01 - EP US); B29C 65/3476 (2013.01 - EP US); B29C 66/94 (2013.01 - EP US); Y10T 29/49083 (2015.01 - EP US)

Cited by

US5697143A; EP0376773A3; FR2643014A1; US5086213A; EP0396273A3; TR26263A; GB2571924A; GB2571924B; EP0585974A3; EP0378406A3; US5150922A; US5366253A; US5375889A; US11692662B2; WO9629194A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0221396 A1 19870513; **EP 0221396 B1 19900307**; AT E50850 T1 19900315; AU 586038 B2 19890629; AU 6352586 A 19870430; CA 1260663 A 19890926; DE 3669382 D1 19900412; DK 165521 B 19921207; DK 165521 C 19930426; DK 508686 A 19870425; DK 508686 D0 19861023; ES 2011763 A4 19900216; ES 2011763 B3 19900701; GB 8526235 D0 19851127; NZ 217820 A 19890329; US 4727242 A 19880223; ZA 868054 B 19870729

DOCDB simple family (application)

EP 86114078 A 19861010; AT 86114078 T 19861010; AU 6352586 A 19861003; CA 520457 A 19861015; DE 3669382 T 19861010; DK 508686 A 19861023; ES 86114078 T 19861010; GB 8526235 A 19851024; NZ 21782086 A 19861007; US 92132986 A 19861021; ZA 868054 A 19861023